

COPY OF PAPERS ORIGINALLY FILED



Please type a plus sign (+) inside this box

Approved for use through 10/31/2002, OMB 0651-0031

PTO/SB/08B (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO Complete if Known **Application Number** 09/998,004 INFORMATION DISCLOSURE **Filing Date** November 28, 2001 STATEMENT BY APPLICANT JULIAN, CHRISTOPHER A. **First Named Inventor** 3739 **Group Art Unit** (use as many sheets as necessary) **Examiner Name** Unassigned Attomey Docket Number 017516-002580US

	Γ	U.S. Patent Document	U.S. PATENT DOCUM		
Examiner Initials *	Cite No.1	Number Kind Code² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AX	AA	3,497,668	Hirsch	02/1970	 ;
1	AB	4,655,673	Hawkes	04/1987	C
	AC	4,819,978	Scheinman et al.	04/1989	의 <u>구</u> 쇼.
i i	AD	5,078,140	Kwoh	01/1992	0 %
	AE	5,193,963	McAffee et al.	03/1993	
	AF	5,217,003	Wilk	06/1993	- w
	AG	5,222,499	Allen et al.	06/1993	2 32 50
	AH	5,305,203	Raab	04/1994	7 8
	AI	5,397,323	Taylor et al.	03/1995	2 5
	AJ	5,402,801	Taylor	04/1995	دری
	AK	5,410,944	Cushman	05/1995	
	AL	5,417,210	Funda et al.	05/1995	
	AM	5,423,648	Akeel et al.	06/1995	
	AN	5,458,574	Machold et al.	10/1995	
	AO	5,572,999	Funda et al.	11/1996	BECEIVE
	AP	5,613,937	Garrison et al.	03/1997	
	AQ	5,831,973	Green	05/1997	MAY 1 6 200
	AR	5,649,958	Jensen et al.	07/1997	5 200.
	AS	5,676,673	Ferre et al.	10/1997	OFFICE OF PETITIO
	AT	5,695,500	Taylor et al.	12/1997	- OTTOE OF EITHO
	AU	5,697,939	Kubota et al.	12/1997	
	AV	5,738,649	Macoviak	04/1998	
1	AW	5,744,363	Hasson	05/1998	
	AX	5,749,892	Vierra et al.	05/1998	
	AY	5,762,458	Wang et al.	06/1998	
	AZ	5,784,542	Ohm et al.	07/1998	
\neg	BA	5,791,908	Gillio	08/1998	
	ВВ	5,792,135	Madhani et al.	08/1998	
	ВС	5,797,900	Madhani et al.	08/1998	
	BD	5,807,243	Vierra et al.	09/1988	
	BE	5,808,665	Green	09/1998	
\neg	BF	5,855,583	Wang et al.	01/1999	
	BG	5,878,325	Mizuno et al.	03/1999	
1, 0	ВН	5,894,843	Benetti et al.	04/1999	
MY	Ві	5.923.770	O'Donnell et al.	07/1999	

Examiner Signature Lackson, Gary Date Considered J. Feb. 6, 2004

EXAMINER: Initial reference considered, whether or of citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.



COPY OF PAPERS ORIGINALLY FILED

Please type a plus sign (+) inside this box

ALLY FILED

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO	Complete if Known			
WALEST A TION DIGGL COURS	Application Number	09/998,004		
VINFORMATION DISCLOSURE	Filing Date	November 28, 2001		
STATEMENT BY APPLICANT	First Named Inventor	JULIAN, CHRIS I OPHER A.		
APR 3 0 2002 2	Group Art Unit	3739		
(usæas many sheets as necessary)	Examiner Name	Unassigned	Ó	
Sheet of	Attomey Docket Number	017516-002580US		

				U.S. F	PATENT DOCUM	IENTS		-
Examiner Initials *	Cite No. ¹	U.S. Patent Doc Number Kind (if kno	Code ²		Patentee or Applicant lited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Wh <u>ere</u> Relevant Passagas or Relevant Figures Appear	
20	BJ	5,931,832			Jensen	08/1999	ω - <u></u>	Ä
229	вк	5,971,976		V	Vang el al.	10/1999	0 3	·)
19 3	BL	6,036,641		Т	aylor et al.	03/2000		mi
1	ВМ	6,102,854		С	artier et al.	08/2000	<u>₹</u> ω	
							711.	177
			-	FOREIG	N PATENT DOC	UMENTS	72 5	
Examiner Initials*	Cite No. ¹		tent Docum		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
40	BN	wos	95/01757		PCT	01/1995		
49	во	WOS	99/09892		PCT	03/1999		
10)	BP	WOs	99/50721		PCT	10/1999		
Examiner Initials *							T ²	
MJ.	BQ		Adachi, Y., "Touch and trace on the free-form surface of virtual object," IEEE Research & Development Center, Suzuki Motor Corp., Japan, (January 1993) pp. 162-168.					
128	BR		Alexander, III "Impacts of telemation on modem society, Intl. Centre for Mechanical Sciences, 1st CISM-IFTOMM Symposium, on Theory and Practice of ROBOTS AND MANIPULATORS, (Sept. 5-8, 1973) Vol. II, pp. 1122-136.					
23	BS	lwata, H., "Pen-based haptic virtual environment," IEEE Institute of Engineering Mechanics, U. of Tsukuba, Japan, (1993) pp. 287-292.						
12	вт	Mack, et al., "Video-assisted coronary bypass grafting on the beating heart," Ann. Thorac. Surg., (1997) 63:S100-103.						
SI	BU	Madhani, A., "Thesis Proposal: Force-Reflecting Teleoperated Endoscopic Surgery," MIT Department of Mechanical Engineering and Artificial Intelligence Laboratory, Cambridge, MA, (November 17, 1995) pp. 1-8 w/attachments pp. 1-2.						
MA	BV	satellites network	Rovetta et al., "The first experiment in the world of robotic telesurgery for laparoscopy carried out by means of satellites networks and optical fibres networks on (7th July 1993)," IEEE Telerobotics Laboratory, Italy, Institute of Clinical Surgery, Italy, Jet Propulsion Laboratory, Pasadena, USA, pp. 51-56.					
/ ^	1	Sukthankar et al., "Towards force feedback in laparoscopic surgical tools," IEEE, Human Interface Laboratory Dept. of Biomedical Engineering, Ohio, (1994) pp. 1041-1042.						

PA 3214333 v1

	Examiner Signature	Jackson	Harry	Date Considered	Feb. 6, Jee 4	
--	-----------------------	---------	-------	--------------------	---------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PA 3214333 v1

PTO/SB/08B (08-00)

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (04-03) Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute	for form 1449/PTO		Complete if Known		
			Application Number	09/998,004	
		DISCLOSURE	Filing Date	November 28, 2001	
STAT	EMENT BY	APPLICANT	First Named Inventor	JULIAN, CHRISTOPHER A., et. al.	
			Art Unit	3739	
((use as many shee	ets as necessary)	Examiner Name	Unassigned	
Page	3	of	Attorney Docket Number	017516-002580US	

		Document Number					
Examiner	Cite No.1	Number Kind Code ² (if known)	Publication Da MM-DD-YYY		e of Patentee or of Cited Document	Pages, Columns, Lines, Where Retevant Passages or Relevan Figures Appear	
1/2	AA	US-6,149,583	11-21-200	o v	ierra et al.		_
200	AB	US-6,210,323	04-03-200	1 G	ilhuly et al.		
29	AC	US-6,398,726	06-04-200	2 Ra	mans et al.		
			FOREIGN PA	TENT DOCUME	NTS		
	0:4-	Foreign Patent Document		Name of Patentee		Pages, Columns, Lines, Where Relevant	
Examiner Initials*	Cite No. ¹	Country Code Number ⁴	Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	Т
-		 	· · · · · · · · · · · · · · · · · · ·				TT

NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the T² Cite item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Examiner No.1 number(s), publisher, city and/or country where published. Initials *

PA 3303132 vl

MOON	003	ΈD	
	,	_	

Examiner	Date
Signature	Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.